

# **COURSE DESCRIPTIONS**

**2023-2024**



**COLUMBUS CATHOLIC HIGH SCHOOL**

710 S Columbus Avenue  
Marshfield, WI 54449  
Central Office – (715) 387-1177

# *Mission Statement*

*Columbus Catholic Schools are dedicated to excellence in Catholic education, founded in the love of Jesus Christ, and designed to instill in our students faith, knowledge, and a desire to serve others.*

## *Philosophy*

*Columbus Catholic Schools are committed to the education, development, and spiritual formation of our students. Within the context of the Gospels and the teachings of the Catholic Church, we believe we are called to....*

- 1. Faithfully teach Catholic doctrine and nurture in our students an abiding love of the Catholic faith through participation in religious instruction, prayer, devotions, and the Sacraments, particularly the celebration of the Liturgy, preparing each to take his/her place as the Church leaders of tomorrow.*
- 2. Carry out the educational ministry of the Catholic Church by providing a quality, affordable Catholic education to all those children entrusted to our care, regardless of race, creed, or socio-economic status.*
- 3. Fulfill the academic needs of each individual student through a curriculum and through teaching methods that encourage and enable each student to reach his or her maximum potential in all areas, placing an emphasis on nurturing a sense of responsibility to develop God-given gifts to their fullest.*
- 4. Prepare our students to meet the academic, spiritual, and moral challenges of the future by providing opportunities to develop Christian values and the skills of critical thinking that will be the basis for future decision-making, growth, and development.*
- 5. Provide an atmosphere of love and compassion for each individual student, offering them a sense of belonging and respect in order to foster their growth as caring, responsible, and confident Christians inspired to loving service of God and neighbor.*
- 6. Help each student learn to appreciate and respect the rights and differences of others so that at school, at home, and in the community, they might act as true Christians who nobly grace our society with peace.*
- 7. Provide a safe, nurturing environment with clear expectations for behavior and decorum, based on the Christian model of peace and respect, and compassionate to the developmental, social, and emotional needs of each student.*
- 8. Provide a variety of opportunities in athletics and other extra-curricular and co-curricular activities in order to allow our students to explore diverse areas of personal interest and fulfillment.*

# RECOMMENDED CLASSES BY GRADE LEVEL

## GRADE 9

<b>Theology:</b> (1 Credit)	Old Testament (.5 cr.) <b>and</b> New Testament (.5 cr.)
<b>English:</b> (1 credit)	Literature/Composition I Literature/Composition I Honors
<b>Social Sciences:</b> (.5 credit)	Geography
<b>Mathematics:</b> (1 credit)	Pre-Algebra I* Algebra I Algebra I Honors Geometry Geometry Honors
<b>Science:</b> (1 credit)	Biology I Biology I Honors
<b>Physical Education:</b> (.5 credit)	Physical Education I
<b>Computer Education:</b> (.5 credit)	Computer Applications
<b>World Language:</b> (1 credit)	Spanish I or II

## GRADE 10

<b>Theology:</b> (1 credit)	Fundamental Theology (.5 cr.) <b>and</b> Sacramental Theology (.5 cr.)
<b>English:</b> (1 credit)	Literature/Composition II Literature/Composition II Honors
<b>Social Sciences:</b> (1 credit)	World History AP World History: Modern
<b>Mathematics:</b> (1 credit)	Algebra I Basic Geometry* Geometry Geometry Honors Algebra II
<b>Science:</b> (1 credit)	Applied Physical Science (.5 cr.) Chemistry I Chemistry I Honors
<b>Health:</b> (.5 credit)	Health
<b>Speech:</b> (.5 credit)	Speech
<b>World Language:</b> (1 credit)	Spanish II or III

\* This Math course does not count towards admission requirements of four-year colleges.

The Advanced Placement (AP) examinations are administered every year in early May by *The College Board*, the same company that brings us the PSAT/NMSQT and SAT. Doing well on an AP Exam may qualify the student for placement in an advanced course in college, which may result in lower tuition costs and earlier college graduation. See the website <http://www.collegeboard.com/student/testing/ap.about/html> for more information.

# RECOMMENDED CLASSES BY GRADE LEVEL

## GRADE 11

<b>Theology:</b> (1 Credit)	Moral Theology I (5 cr.) <b>and</b> Moral Theology II (.5 cr.)
<b>English:</b> (1 credit)	Literature/Composition III Literature/Composition III Honors
<b>Social Sciences:</b> (.5 credit)	U.S. History AP U.S. History I
<b>Mathematics:</b> (1 credit)	Basic Geometry* Geometry Algebra II Algebra II Honors Consumer Mathematics* Pre-Calculus Honors Trigonometry (.5 cr.) Advanced Functions & Stats (.5 cr.)
<b>Science:</b> (1 credit)	Anatomy & Physiology AP Chemistry Introduction to Physics (.5 cr.) Physics Honors
<b>Physical Education:</b> (.5 credit)	Physical Education II (.5 cr.) Lifetime Sports (.5 cr.) Team Sports (.5 cr.) Strength Training (.5 cr.)

## GRADE 12

<b>Theology:</b> (1 credit)	Spiritual Theology/Stewardship
<b>English:</b> (1 credit)	Literature/Composition IV English 12 AP Literature & Composition
<b>Social Sciences:</b> (1 credit)	Government (.5 cr.) <b>and</b> Social Studies elective (.5 cr.) AP United States History I AP United States History II
<b>Mathematics:</b> (1 credit)	Algebra II Consumer Mathematics* Pre-Calculus Honors AP Calculus AB Trigonometry (.5 cr.) Advanced Functions & Stats (.5 cr.)
<b>Science:</b> (1 credit)	Anatomy & Physiology Introduction to Physics (.5 cr.) Physics Honors AP Biology AP Chemistry
<b>Physical Education:</b> (.5 credit)	Physical Education II (.5 cr.) Lifetime Sports (.5 cr.) Team Sports (.5 cr.) Strength Training (.5 cr.)

\* This Math course does not count towards admission requirements of four-year colleges.

The Advanced Placement (AP) examinations are administered every year in early May by *The College Board*, the same company that brings us the PSAT/NMSQT and SAT. Doing well on an AP Exam may qualify the student for placement in an advanced course in college, which may result in lower tuition costs and earlier college graduation. See the website <http://www.collegeboard.com/student/testing/ap.about/html> for more information.

# GRADUATION REQUIREMENTS

The requirements listed below either meet or exceed the standards set by the North Central Association of Secondary School and Colleges (NCA) and the Wisconsin Department of Public Instruction.

## DEPARTMENT

THEOLOGY	4.0
ENGLISH	4.0
SOCIAL SCIENCES	3.5
MATHEMATICS	3.0
SCIENCE	3.0
PHYSICAL EDUCATION	1.5
HEALTH	0.5
COMPUTER APPLICATIONS	0.5
FINE ARTS (Music/Art/Culinary)	0.5
SPEECH	0.5
WORLD LANGUAGE	2.0
ELECTIVES	5.0
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TOTAL	28.0

A minimum of 8.0 credits are required per student per year.

*\*The administration reserves the right to cancel a course due to insufficient enrollment in that course.*

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# LANGUAGE ARTS DEPARTMENT

## **LITERATURE /COMPOSITION I**

Grade 9

1.0 Credit

This course covers short stories, novels, and plays. Writing skills will be stressed and will tie in with the study of literature. The course also includes work on vocabulary, grammar usage, critical thinking, and independent reading. Students will be evaluated using a variety of assessments including, essays, homework, class participation, discussion, and projects. Additional time may be scheduled for students who need extra help.

## **LITERATURE /COMPOSITION I HONORS**

Grade 9

1.0 Credit

Prerequisite: In order to ensure a student is prepared for the rigor of a high school honors level course and that he/she will be successful with the increased demands of such courses. Interested students **MUST** complete the honors class application which has sections for the parents, the student, and the faculty to complete. While all 8th grade core teachers may be asked for input in completing the faculty portion of the application, the 6-12 Language Arts/English Department will make the final decision based on the following aspects included on the application:

- Student's quarterly grades in 8th grade language arts and STAR test results (*please note that A or B grades do not guarantee admission into honors as 8th grade language arts offers more differentiation/accommodations than an honors level high school course*)
- Student's performance as an independent learner; his/her motivation in the discipline
- Student's skill level in analysis, synthesis, and evaluation in core classes
- Student's writing skills across the core curriculum
- Student's study habits, group work ethic, and effort level/completion of work in all courses
- Student's level of responsibility and efforts to communicate when absent or when struggling with material

This course is intended for students with high reading, writing, and speaking ability. It aims to provide challenging growth in language usage (vocabulary and grammar), reading analysis, and writing skills. Throughout the year, writing is integrated with the reading of literature including short stories, novels, and plays. Course work will also include grammar and vocabulary study, and independent reading.

Students will be evaluated using a variety of assessments including essays, homework, class participation, and discussion, and projects.

## **LITERATURE /COMPOSITION II**

Grade 10

1.0 Credit

Approval of the English Department.

This course covers short stories, poetry, novels, and plays. Literature/Composition II is a continuation of the freshman program, with further development of paragraph and essay writing. In addition, there is a unit of vocabulary building that stretches throughout two quarters and is covered in conjunction with several other units. Students will be graded through a variety of assessments, including tests, quizzes, projects (both individual and group), essays, journaling, and daily homework. Additional time outside of class may be scheduled for students who need extra help.

**LITERATURE /COMPOSITION II  
HONORS**

Grade 10

1.0 Credit

Prerequisite: Students must complete the honors class application. Students must have maintained an overall grade average of “B” or better in Literature/Composition I Honors or “A” in Literature/Composition I and have approval of the English Department.

This course is comparable to the regular Literature/Composition II course (basic curriculum and assessments are the same), but the honors level moves at a faster pace, may cover several different novels, and emphasizes a deeper study of thematic development, character analysis, plot, and stylistic devices in different genre. Students at the honors level are also assigned several more essays and individual projects. Students must demonstrate “advanced” reading and writing skills and expect to read and work in greater quantities than the Literature/Composition II student.

**LITERATURE /COMPOSITION III**

Grade 11

1.0 Credit

Prerequisite: Approval of the English Department

This is a comprehensive integration of literature, language, and composition, with emphasis on classical, traditional, and modern American authors. The course will include responses to the literature in oral and written forms. Additional time outside of class may be scheduled for students who need extra help. Students will also write a research paper, a resume, and college application essays as well as prepare for standardized testing (ACT).

**LITERATURE /COMPOSITION III  
HONORS**

Grade 11

1.0 Credit

Prerequisite: Students must complete the honors class application. Students must have maintained an overall grade average of “B” or better in Literature/Composition II Honors or “A” in Literature/Composition II and approval of the English Department

This course is designed for the advanced student in language arts at the junior level. This course surveys classical, traditional, and modern American authors and requires students to respond through oral and written forms. Students in this course cover additional and more challenging materials than the Literature/Composition III course. Students must demonstrate advanced reading and writing skills and expect to read and work in greater quantities than the Literature/Composition III student. Students will also write a research paper, a resume, and college application essays as well as prepare for standardized testing (ACT).

**LITERATURE /COMPOSITION IV**

Grade 12

1.0 Credit

Prerequisite: Approval of the English Department

This course is a culmination of the skills that students have been developing in the previous three years of high school. During the first semester, we focus on the process of Shared Inquiry which requires students to read, analyze, discuss, and write about literature to find an interpretation supported by the text. During the second semester, we focus on a wider variety of literature, but with the same purpose. Overall, students will think critically and analytically while using both oral and written communication skills in order to clearly convey their thoughts about the literature. Individual help will be given to each student on writing and grammar in order to pinpoint specific

strengths and weaknesses in his/her abilities. Students will be expected to comprehend what they read and to find meaning in it. They should be able to dialogue with literature and share ideas on a mature, intellectual level. They should also be able to express these ideas clearly, concisely, accurately, deeply, logically, and in a way that is relevant to their lives.

## **SPEECH**

Grade 10

0.5 Credit

The important life skill of communication is stressed through the study and development of public speaking skills, vocal expression, and non-verbal communication. Students will prepare, research, outline, write, and deliver various types of speeches as well as view/listen to famous speeches from history. Listening and communicating with others, along with self evaluation of speeches, are also included in the course. A speech textbook will be read throughout the course, and quizzes and written assignments will be part of the work completed.

## **WRITER'S WORKSHOP**

Grades 10, 11, 12

0.5 Credit

This course focuses on improving student skills in critical reading and expository writing. Instruction and evaluation will emphasize ideas and content, organization, word choice, voice, sentence fluency, conventions, editing and research. Students will be expected to keep a journal, develop a writing portfolio, and participate in workshop and editing activities. *\*Recommended for students in grades 10-12 who would like to improve basic writing skills.*

## **CREATIVE WRITING HONORS**

Grades 11, 12

0.5 Credit

Prerequisite: Students must complete the honors class application. Students must have maintained a "B" average in previous year's English course(s) and have approval of the Creative Writing Honors instructor(s).

In this course the student will write poetry, short fiction and nonfiction, dialogues/plays, and, if students are so inclined, novels. It will be a workshop-style class with peer critiquing. Grading is determined by deadlines, production, progression of writing skills, and effort. Students are allowed to take this course several times if they desire.

## **ENGLISH 12**

Grade 12

1.0 Credit

*This course is not offered every year; it is offered when the English Dept. Head determines a need for it.*

Prerequisite: Enrollment in the course must be approved of the English Department.

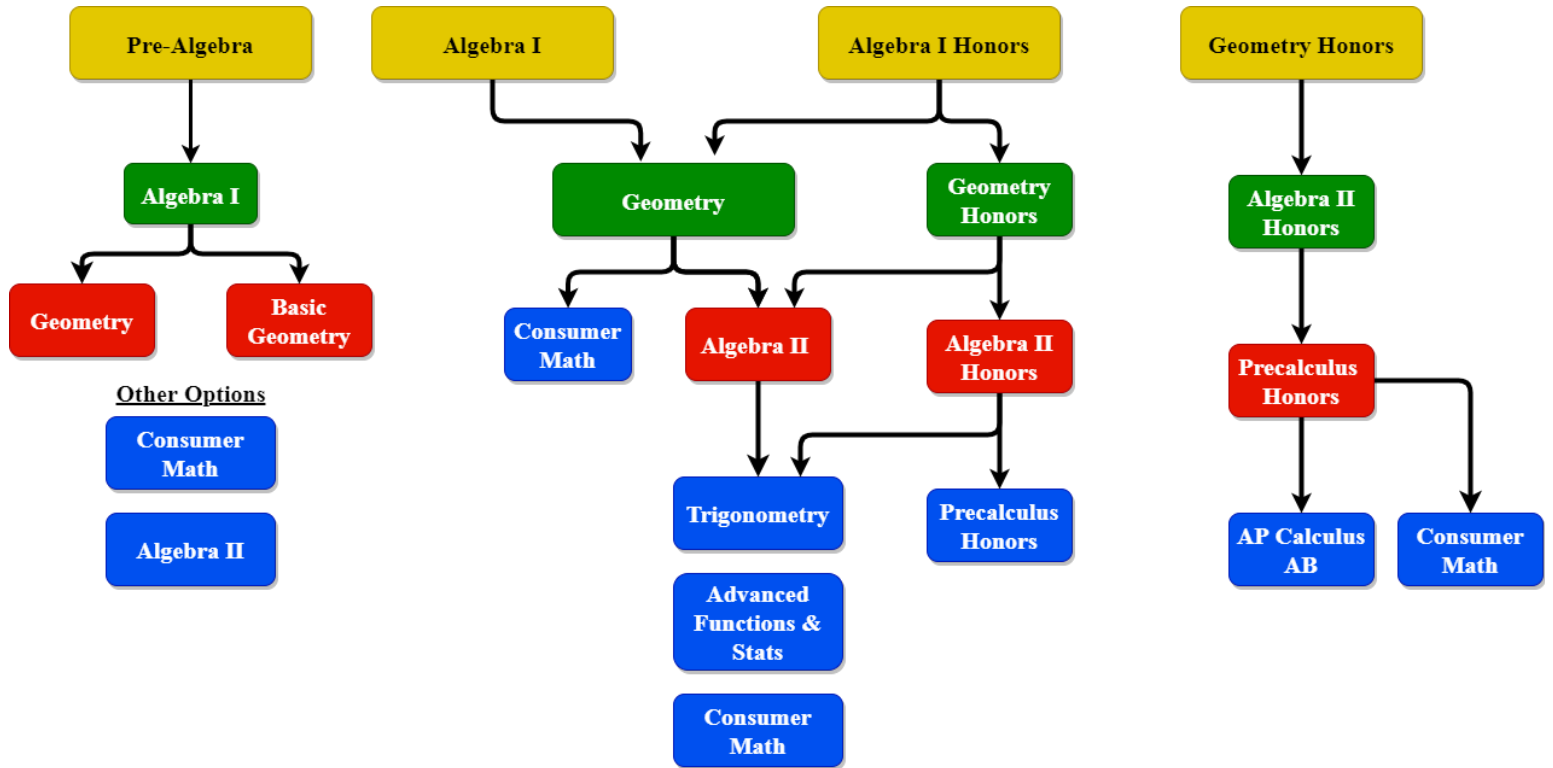
This course is intended for seniors who would benefit from a modified English class. The goal of the course will be to prepare students in the areas of reading, writing, speaking, listening, teaming, and using media and technology for English courses geared toward students who are either a) planning to enroll in a technical/two-year school or b) planning to go directly into the workforce after high school graduation. This course would also be an option for students who would benefit from a slower paced and lower-intensity reading load as compared to the other English courses offered to seniors.

Prerequisite: Students must complete the honors class application. Students must have maintained an overall grade average of “B+” or better in Literature/Composition III Honors or “A+” in Literature/Composition III and approval of English department.

This class is a college literary analysis course that offers students the opportunity to meet the challenge of college-level reading, thinking, and writing with the support of a high school instructional environment. Thematic units cover important skills such as poetry explication, various modes of literary analysis, and interpretive reading and writing. A heavy emphasis will also be placed on creating reasonable arguments for the interpretation of a literary piece and presenting these arguments in a solid essay. For students seeking college credit, the course aims to prepare students to take the Advanced Placement Literature and Composition Examination in May. The course demands serious students: individuals committed to spending time and effort in both reading and writing.

# MATHEMATICS DEPARTMENT

## Mathematics Course Flowchart



Freshman - Yellow  
 Sophomore - Green  
 Junior - Red  
 Senior - Blue

**Note:** If any students wish to attempt the ACT exam before the second semester of their junior year, it may be to their benefit to take the elective course “Trigonometry” (offered in semester I) before the exam, so that they gain exposure to any advanced trigonometric functions used on that exam; such advanced trigonometric formulas will otherwise not be seen until Precalculus-Honors, semester II.

*Continued enrollment in honors level math courses may be contingent on the student maintaining a “B-“ or higher average at all times.*

**PRE-ALGEBRA**

Grade 9

1.0 Credit

Prerequisite: 8th grade math

This course is intended for the student who may need additional preparation for Algebra I. Topics of study may include probability and statistics, integers, decimals, fractions, percents, ratios and proportions, inequalities, and graphing and solving basic linear equations. Special attention is paid to note-taking and test-taking skills.

**ALGEBRA I**

Grades 9, 10

1.0 Credit

Prerequisites: A “C-” average or higher in eighth-grade math or similar placement test results, and/or approval of the eighth-grade math instructor.

This course may cover probability and statistics, ratios and proportions, linear equations, functions, exponents, multiplying and factoring polynomials, and graphing and solving linear equations/inequalities/linear systems.

**ALGEBRA I HONORS**

Grade 9

1.0 Credit

Prerequisites: “A” or higher in eighth grade math and teacher recommendation.

This course covers the same content areas covered in the Algebra I course but in greater depth and intensity. Additional topics may include direct and inverse variation, linear and quadratic functions.

**BASIC GEOMETRY**

Grades 10, 11, 12

1.0 Credit

Prerequisites: Pre-Algebra or Algebra I, and/or approval of present math instructor.

This course provides the student with a general knowledge of the applications of geometry in the workplace. Topics covered are measurement, graphs, tables, formulae, triangle math, probability, and statistics.

**GEOMETRY**

Grades 10, 11, 12

1.0 Credit

Prerequisites: Algebra I and/or approval of present math instructor.

This course covers the following: basic linear and planar sets, angles, polygons, polyhedrons, circles, congruence, similarity, proofs, constructions, coordinate geometry, area, volume, probability and statistics. The presence of geometry in the natural and human-made world is also discussed.

**GEOMETRY HONORS**

Grades 9, 10

1.0 Credit

Prerequisites: Previous semester grade “B-“ or higher in Algebra I Honors and/or approval of present math instructor.

This course provides a more in-depth study of the content areas of Geometry and proofs. The student receives an intensive treatment of plane, solid, coordinate, and transformational geometry.

**ALGEBRA II**

Grades 10, 11, 12

1.0 Credit

Prerequisites: Geometry and/or approval of present math instructor.

This course is recommended for any student considering post-secondary education. The course will review and explore skills and ideas from Algebra I more deeply before considering additional topics, including: systems of equations, linear and quadratic functions, data modeling, powers and roots of real and imaginary numbers, exponential growth and decay, polynomials, and curves in the Cartesian plane. This course uses a *TI-84 Plus* (or equivalent) graphing calculator.

**ALGEBRA II HONORS**

Grades 10, 11

1.0 Credit

Prerequisites: Previous semester grade B- or higher in Geometry Honors and/or approval of present math instructor.

This course covers all of the content areas covered in Algebra II but in greater depth and with faster tempo. It also includes an exploration of basic analysis and transformations of functions, radical functions, logarithms, and rational functions. It is recommended for any student considering post-secondary education in a business/technology or science-related field. This course uses a *TI-84 Plus* (or equivalent) graphing calculator.

**CONSUMER & CAREER  
MATHEMATICS**

Grades 11, 12

1.0 Credit

Prerequisite: Geometry and/or approval of present math instructor.

This course is designed as a third 1-credit math course for the student not bound for study in a business or science-related field at a college or tech school. It can be taken concurrently with another math course. Study includes reviews of basic math, algebra, and geometry skills, problem solving, application of math in areas such as income, checkbooks, investments, taxes, cars, insurance, and renting, buying, or building a house.

**TRIGONOMETRY**

Grades 11, 12

0.5 Credit

Prerequisites: Algebra II and/or approval of present math instructor.

This course is designed for the student who has completed Algebra II and wishes to further their math education or at least maintain math skills. Topics studied include trigonometric and circular functions, their inverses and graphs, identities, and Trigonometric laws for non-right triangles. This course uses a *TI-84 Plus (or equivalent)* graphing calculator.

**ADVANCED FUNCTIONS AND  
STATISTICS**

Grades 11, 12

0.5 Credit

Prerequisites: Algebra II and/or approval of present math instructor.

This course is for students who have had at least Algebra II, who wish to further their math education or at least maintain math skills. It would also be appropriate for any student of Pre-Calculus or Calculus. Topics studied include probability, statistics, sequences, and series. Additional topics may be exponential, logarithmic, and trigonometric functions, and matrices. This course uses a *TI-84 Plus* (or equivalent) graphing calculator.



## **PRE-CALCULUS HONORS**

Grades 11, 12

1.0 Credit

Prerequisites: Previous semester grade B- or higher in Algebra II Honors and/or approval of present math instructor.

This course expands upon the knowledge students have gained in Algebra II Honors and also explores topics which are of particular value to students considering taking Calculus. Topics may include the nature of graphs and functions, applications of trigonometry to non-right triangles, trigonometric ratios as periodic functions, the modeling of non-geometric relationships with trigonometric functions, trigonometric identities and equations, and conics. This course uses a *TI-84 Plus* (or equivalent) graphing calculator.

## **AP CALCULUS AB**

Grade 12

1.0 HS Credit

Prerequisites: Previous semester grade of “B+” or higher in Pre-Calculus Honors or similar placement test results, and approval of present math instructor.

This course is an AP Calculus AB course; the course will serve as preparation for the Advanced Placement Calculus AB examination in May. Note: since the AP test occurs well before the end of the academic year, the test will occur before all of the course material is covered, and it would be advisable for students to enhance their preparation for the AP test by other means (e.g. tutoring, study programs, software, etc.).

Topics include limits, first derivatives, higher-order derivatives, related-rate and tangent line approximations, derivative applications, anti-differentiation and integration, logarithmic, exponential, and other transcendental functions, and integration applications. This course uses a *TI-84 Plus* (or equivalent) graphing calculator.

## **PHYSICAL EDUCATION DEPARTMENT**

If students wish to remain physically active, they may get permission from the Physical Education teacher to repeat any Fitness class. Students who repeat a class will be given different assignments than those taking the class for the first time. Proper gym shoes are **required**.

### **PHYSICAL EDUCATION I**

Grade 9

0.5 Credit

This course introduces the students to important practices in physical fitness and nutrition. The students learn healthy lifestyle techniques, fitness skills and terms, improve gross motor skills and participate in physical fitness activities.

### **PHYSICAL EDUCATION II**

Grades 10, 11, 12

0.5 Credit

Prerequisite: Physical Education I

This is an advanced course of physical fitness and gross motor skills. Students will learn all aspects of sport skills. Tests will be given with the course to improve gross motor skills. Strategies and game-like situations will be a focus for this course.

**HEALTH**

Grade 10

0.5 Credit

This class, through the Diocesan Health Curriculum, will provide students with knowledge and skills to live a healthy life grounded in faith. Students will build off of their 7th grade health course to expand their knowledge on the uniqueness of their own personal health and wellness, the dimensions of wellness, and the many influences on their overall well-being. Students will also further develop the skills of accessing valid information, practicing health-enhancing behaviors, goal-setting, effective communication, stress management, decision-making, and advocating for overall well-being. Theology of the Body will be used to guide instruction on the topic of healthy relationships.

**LIFETIME SPORTS**

Grades 11, 12

0.5 Credit

Prerequisite: Physical Education I or II

Lifetime is a course for students to gain an appreciation for lifetime activities. Some of the activities are beach and indoor volleyball, pickleball, ultimate frisbee, basketball and golf. The course involves learning gross motor skills and aspects of each sport.

**STRENGTH TRAINING**

Grades 10, 11, 12

0.5 Credit

This course is open to boys and girls. The content of the course will be directed primarily toward conditioning and strengthening. The course is also designed to promote and improve physical abilities. It will include resistive exercises for all the major muscle groups of the body.

**TEAM SPORTS**

Grades 11, 12

0.5 Credit

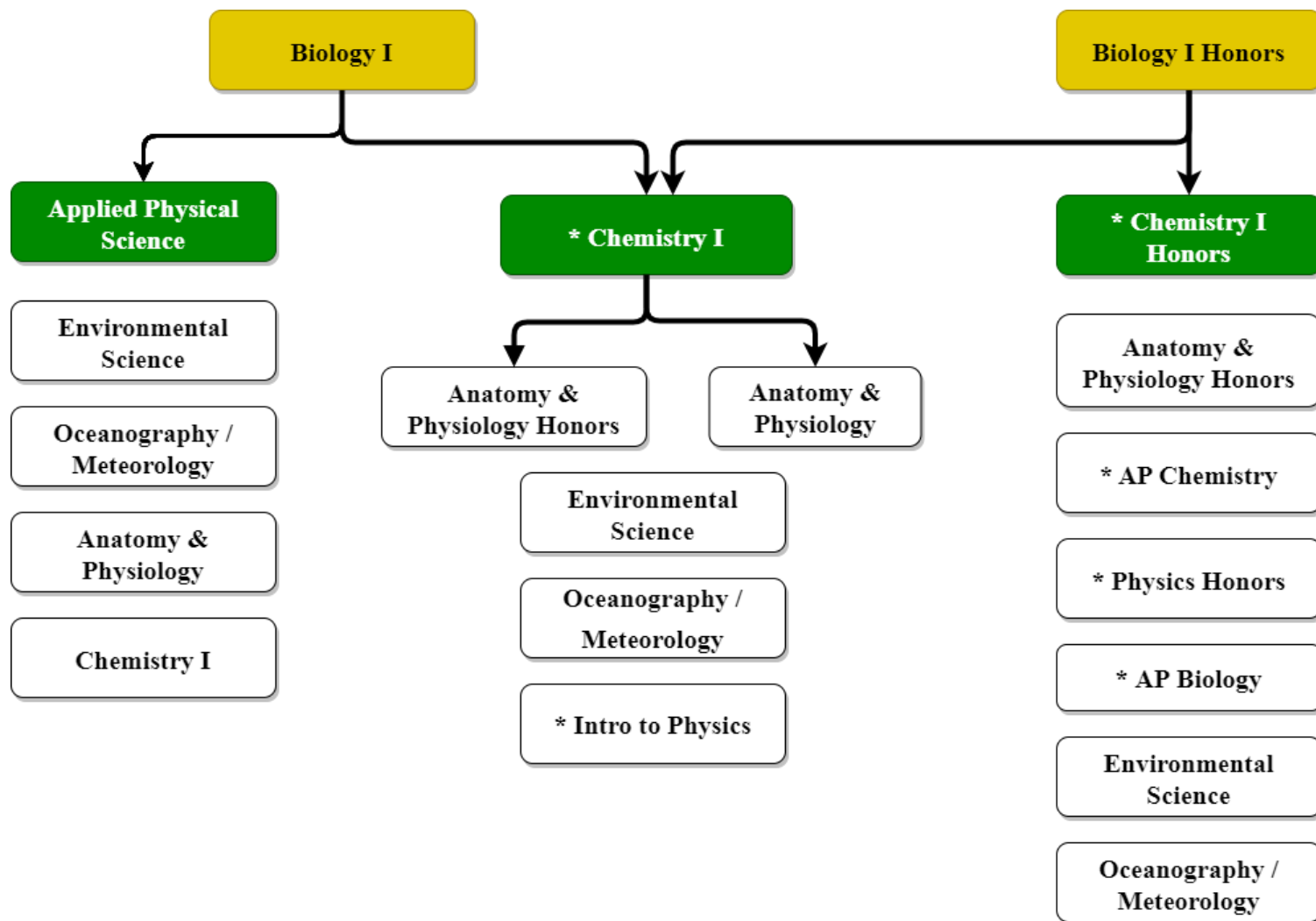
**(See listings below)**

Any junior or senior student / athlete who begins and finishes an athletic season in good standing with their respective coach may receive 0.5 credits for their participation once a year.

BASEBALL	SOCCER
BASKETBALL – BOYS	SOFTBALL
BASKETBALL – GIRLS	TENNIS
CROSS COUNTRY	TRACK & FIELD
FOOTBALL	VOLLEYBALL
GOLF	WRESTLING

# SCIENCE DEPARTMENT

## Science Course Flowchart



Freshman - Yellow  
Sophomore - Green

\* **Requires Math Prerequisite**

**Graduation Requirements:** 3 credits of Science of which one credit must be from Biology, one credit from the Physical Sciences. Two credits must meet the lab requirement.

(Bio) =Fulfills biological science requirements  
(Physical) = Fulfills physical science requirements  
(Lab) = Fulfills lab requirements  
(Non Lab) = Does not meet lab requirement

**BIOLOGY I (Bio & Lab)** Grades 9, 10 1.0 Credit

Biology I is a course which enables students to proceed from a mastery of fundamental biological concepts to scientific investigation of the cell, genetics, plants, animals, and humans. The study of interrelationships of living things and their environmental adaptations should help to bring about an interest in and an appreciation for all living things. The students should gain a clear comprehension of the significance of life and its importance in human welfare. Lab investigations involve dissections.

**BIOLOGY I HONORS (Bio & Lab)** Grades 9, 10 1.0 Credit

Prerequisite: Recommendation from Eighth grade science instructor.

Same as Biology I but in greater depth and will have more difficult exams.

**APPLIED PHYSICAL SCIENCE (Physical & Lab)** Grades 10, 11, 12 0.5 Credit

Prerequisite: Biology I and approval of current Math and Science instructors.

This course emphasizes science connections to everyday life. This interdisciplinary field includes engineering, business, medicine, and computer science. It teaches a fundamental and holistic view of physics, chemistry, geology, physical geography, and earth science topics that relate to everyday life and current events. Additional studies into astronomy, oceanography, meteorology, and geology may also be covered. Students will also explore career options as it relates to physical science.

**CHEMISTRY I (Physical & Lab)** Grades 10, 11, 12 1.0 Credit

Prerequisite: Biology I and Algebra I and approval of current Math and Science instructors.

This course will cover areas in scientific measurement, atomic structure, chemical reactions, chemical names and formulas, ionization, matter and its changes, energy, behavior of gases, periodicity, kinetics, chemical quantities, and oxidation-reduction. Problem solving techniques will be emphasized. A solid math background is recommended.

**CHEMISTRY I HONORS (Physical & Lab)** Grades 10, 11, 12 1.0 Credit

Prerequisite: "B" average in Algebra I Honors and Biology I Honors, approval of current math and science instructors.

This course in modern chemistry is designed to meet the requirements of honors college preparatory students in this and allied areas of science, as well as a preparation for careers in applied science. Fundamental aims of this approach to chemistry are to present the basic principles of chemistry as an intellectual discipline, to develop interest in chemistry, and to identify promising students. Topics covered are similar to Regular Chemistry I. A mathematical approach to chemistry will be followed.

**CHEMISTRY II HONORS**  
**(Physical & Lab)**

Grades 11, 12

1.0 Credit

Prerequisite: “B” average in Algebra II Honors and Chemistry I Honors and approval of current math and science instructors.

Chemistry II is an advanced course offered to juniors and seniors who have shown an above-average ability, extreme responsibility and interest in Chemistry I. Advancing on learned concepts from Chemistry I this course is designed to be lab based and cover the study of molar and normal solutions, acid-base titration, reaction energy, chemical equilibrium, cation and anion analysis, and an introduction into organic, transition metals, and biochemistry. Students planning on a science-related career will find this course a comprehensive preparation. A project may be required.

**INTRODUCTION TO PHYSICS**  
**(Physical & Lab)**

Grades 11, 12

0.5 Credit

Prerequisite: Biology I and Chemistry I

Introduction to Physics is a survey of the study of matter and energy and their applications together with formulas and problem solving. Newton’s laws, simple machines, fluids, waves, electricity, and magnetism are some of the topics covered. This is a physical science course. A project may be required.

**PHYSICS HONORS**  
**(Physical & Lab)**

Grades 11, 12

1.0 Credit

Prerequisite: Chemistry I Honors, Algebra II Honors with a “B” average or above, and approval of current science and math instructors.

This course in physics is designed to meet the requirements of college preparatory students planning to major in Science or enter allied careers. Basic to the study of physics is the role of theory in the development of the understanding and interpretation of the physical world, to use mathematical analysis of physical phenomena and to acquire accuracy in the scientific method of laboratory work. The course is composed of two major areas: Mechanics and Modern Physics (covering topics similar to the Introduction of Physics course, but placing strong emphasis on mathematical analysis and problem-solving). A project may be required.

**ENVIRONMENTAL SCIENCE**  
**(Bio, Non Lab)**

Grades 10, 11, 12

0.5 Credit

Prerequisite: Biology I or approval of instructor

This course is designed to develop the student’s interest in, appreciation of, and sense of responsibility for our environment. This course makes use of a textbook and heavy student led discussions. Outdoor journaling and field trips are additional aspects of the course. The class satisfies one semester of the required three years of science needed for graduation.

**OCEANOGRAPHY /  
METEOROLOGY (Physical-no lab)**

Grades 10, 11, 12

0.5 Credit

Meteorology will be covered in the first half of the class; we will study the atmosphere and the factors responsible for weather and climate such as latitude, air masses, cloud types and winds. We will discuss and learn to read weather maps and to predict the weather based on current conditions. During the oceanography segment of the class, we will study the physical and chemical features of the ocean such as salinity, currents, temperature and the ocean floor. A small segment of this class will address the organisms that live in the ocean. *Offered 2024-2025 school year.*

**ANATOMY AND PHYSIOLOGY  
(Bio & Lab)**

Grades 11, 12

1.0 Credit

Prerequisite: Students may only enroll in this class with permission of the instructor.

Anatomy and Physiology is a course for students who are interested in learning about the structure and function of the human body. This course includes the major biological concepts with emphasis on human anatomy and physiology. Laboratory investigations involve extensive dissections. *Offered 2023-2024 school year.*

**ANATOMY & PHYSIOLOGY  
HONORS (Bio & Lab)**

Grades 11, 12

1.0 Credit

Prerequisite: Biology I and Chemistry I and approval of biology instructor.

This is an advanced Anatomy and Physiology course for students who are interested in learning about the structure and function of the human body. This course includes the major biological concepts with emphasis on human anatomy and physiology. Laboratory investigations involve extensive dissections.

**AP BIOLOGY (Biology & Lab)**

Grade 12

1.0 Credit

Prerequisite: Chemistry II Honors preferred and approval of instructor.

The course content includes an introduction to the study of metabolic processes of biological species at the molecular level. Emphasis is placed upon physiological processes and photosynthetic mechanisms including nutrition, gas exchange, transportation, and regulation. The aim is to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. The course involves a strong laboratory component, including the construction of lab reports.

This course is recommended for students who will be entering college. *Students who enroll in this course must have earned a semester grade of A- in one of the following courses: AP Chemistry, Physics Honors or Anatomy and Physiology Honors.*

**AP CHEMISTRY (Physical & Lab)**

Grades 11, 12

1.0 Credit

Prerequisite: “B” average in Algebra II Honors and Chemistry I Honors and approval of current math and science instructors.

AP Chemistry is an advanced course offered to juniors and seniors who have shown above-average ability and interest in Chemistry I. Theory and lab classes cover the study of molar and normal solutions, acid-base titration, reaction energy, chemical equilibrium, cation and anion analysis, and an introduction into organic, transition metals, and biochemistry. Students planning on a science-related career will find this course a comprehensive preparation. A project may be required.

## **SOCIAL SCIENCES DEPARTMENT**

**GEOGRAPHY**

Grade 9

0.5 Credit

This course offers a study of geography fundamentals and the world by region. Students will learn the themes of geography as they appear in the regions of the world through the examination of text, lectures, maps, videos, etc. Topics covered will include the physical geography, human geography, and resource management of the world’s regions in addition to a focus on current events, especially those coinciding with each region as it is studied. The course will also emphasize critical reading and writing skills in addition to map skills.

**WORLD HISTORY**

Grade 10

1.0 Credit

This is a survey course that uses a thematic approach to help students develop a broader scope of world events from the recent and far-reaching past. During the course of the year, students are introduced to many unique ideas and details by using a variety of themes, including the study of governments, wars, the question of fairness and the major religious beliefs of our world. Both Eastern and Western World History will be explored, including the role and influence of the Catholic Church in history.

**AP WORLD HISTORY: MODERN**

Grade 10

1.0 Credit

Prerequisite: Grade of “A-” or better in Geography

Advanced Placement World History: Modern is a challenging one year course designed to prepare students for success in college history courses by developing skills of writing, inquiry, analysis that are key for success in college. AP World History: Modern is equivalent to an introductory college survey course of world history from the year 1200 C.E. to the present. Students will be able to show their mastery of the course goals by taking part in the College Board’s AP World History: Modern exam in May. There is a fee for the exam.

**U.S. HISTORY**

Grade 11

1.0 Credit

This is a survey course, covering American History from the pre-Columbian Era to the present day. Both a topical and thematic approach will be used, allowing for enhanced student understanding of the issues from America’s past. Students will learn about the connections from the past to today’s world. Areas of study will include a review of Pre-Columbian America to the Revolutionary War, Westward Expansion, Slavery and the Civil War, Industrialization

and Immigration, Progressivism and Expansion, World War I, the Great Depression, World War II, Cold War, Civil Rights, Vietnam, 1970-1990s, Post-9/11 America.

## **AP UNITED STATES HISTORY I**

Grades 11, 12

1.0 Credit

Prerequisite: “A-“ or better in World History or “A-“ or better in AP World History: Modern and approval of current social studies instructor.

This is a year-long college-level course in United States history. It covers the era from the first “Native American” settlers of the continent through the Civil War. The main purpose of this class is to teach students how to think like a historian, especially how to understand historical philosophy (the effect that *ideas* have on human life). This class will also prepare students for college by helping them to develop writing skills, study habits, and the skills of a good historian. Students may earn college credit by taking the Advanced Placement United States History exam and earning a grade accepted by the college of their choice. There is a fee for the exam. Students may choose to take Advanced Placement United States History II in order to learn more about the periods of history not covered in this course.

## **AMERICAN GOVERNMENT**

Grade 12

0.5 Credit

This course will give students an overall view of the workings of the United States Government. Among the areas of focus will be the three branches of government, the Constitution, civil rights, basic economic concepts, government financing, the election process, the role of special interest groups, and public opinion. Student decision-making skills will be sharpened to help them make wise political choices in the future.

## **AP UNITED STATES HISTORY II**

Grade 12

1.0 Credit

Prerequisite: “B” or better average in APUSH I and approval of current social studies teacher

A continuation of Advanced Placement United States History I, this is a year-long college-level course in United States history. It covers the era from the Restoration Period after the Civil War forward. This class will prepare students for college by helping them to develop writing skills, study habits, and the skills of a good historian. Students may earn college credit by taking the Advanced Placement United States History exam and earning a grade accepted by the college of their choice. There is a fee for the exam. Students may take this course strictly as an honors level of Recent United States History (RUSH). They are still required to take United States Government, as the APUSH classes do not cover the material covered by the government class.

## **CURRENT ISSUES**

Grades 11, 12

0.5 Credit

In this course students will examine many topics, which are important to the present and future of the world. Students are required to do a variety of tasks to demonstrate their understanding of current events, but the class is also designed to allow for many student-chosen ideas to be examined. There is no text for this course, but television news and numerous internet sources are consulted for topics in this class.

## **ECONOMICS**

Grades 11, 12

0.5 Credit

This course will introduce students to key economic concepts; including supply and demand, scarcity, opportunity cost, risk and more. Students will also study the effects of government decisions on the economy and therefore



everyday life. Students will also learn about different investment vehicles and participate in a Stock Market Simulation.

## **HOLOCAUST AND GENOCIDE STUDIES**

Grade 11, 12

0.5 Credit

*“Take care...so as neither to forget the things that your eyes have seen nor to let them slip from your mind...make them known to your children and your children’s children.” – Deuteronomy 4:9*

How did one man lead one of the most civilized nations in the world to destroy the lives of over six million human beings? How did the Holocaust happen, and could this ever happen again? We will be investigating these questions and more as we study the rise of the Nazi Party and the events of the Holocaust. In this course, we will examine how Adolf Hitler and the radical Nazis rose to power, learn about the horrific world of the concentration camps, hear powerful stories from the victims and perpetrators of genocide, and learn how we can prevent hatred and violence in our own lives. We have a duty to learn and to never forget so peace will triumph in our world today.

## **MILITARY HISTORY**

Grades 11, 12

0.5 Credit

*“War is a matter of vital importance to the State; the province of life or death; the road to survival or ruin. It is mandatory that it be thoroughly studied.” –Sun Tzu, The Art of War*

In this course, we will investigate the history of the world through the lens of warfare. It is important for us to recognize how war has deeply impacted and shaped our world today. Students will study military tactics and strategy, the evolution of arms and armor from the Bronze Age to Nuclear Age, pivotal battles, and major wars in history. Class will consist of a combination of discussion, lecture, projects, and film. Areas of study include: Greco-Roman Warfare, Medieval Combat, Renaissance Era, Napoleonic Warfare, World War I, World War II, Vietnam, Iraq, and Afghanistan.

## **AP PSYCHOLOGY**

Grades 11, 12

1.0 Credit

Prerequisite: Grade of “B+” or better in most recent Honors or AP designated social studies class, or “A” in most recent non-honors social studies class.

This is a year-long, college-level introductory course to the field of psychology. The class is listed as on the College Board’s list of approved AP classes and students may earn college credit by earning a grade on the AP test that is acceptable by their college of choice. Students will be introduced to the scientific study of the behavior and mental processes of human beings and other animals. Units covered will include: history and approaches of psychology, research methods, biological bases of behavior, sensation and perception, consciousness, learning, cognition, motivation and emotion, developmental psychology, personality, testing and individual differences, abnormal psychology, treatment and therapy, and social psychology. This course is also designed to facilitate self-awareness, personal growth, and maturity through better understanding of who we are, why we act as we do, and what we can achieve as human beings. The concepts, terms, theories and skills students will learn in the class can be applied to their lives and used to improve their chances for success in other courses and college.

# THEOLOGY DEPARTMENT

## **OLD TESTAMENT**

Grade 9

0.5 Credit

This course begins with an introduction of Sacred Scripture as the inspired Word of God. It will consider the Old Testament as God's gradual revelation of Himself to man with a focus on the covenants God establishes with his people in Salvation History. Students will better understand the stories, literary style, cultural context, historical setting, and theological meaning of the Old Testament. Special emphasis will be placed on establishing a familiarity with important characters and key events in their chronological sequence, necessary for a deeper understanding of the New Testament.

## **NEW TESTAMENT**

Grade 9

0.5 Credit

This course is a survey of the New Testament. It familiarizes students with the content, structure, and message of the New Testament. Students review the style and themes of the four evangelists, study the message of Saint Paul through his Epistles, and examine the story of the apostles found in the Acts of the Apostles. This course provides an opportunity to read the New Testament Scriptures and gain a better understanding of the Catholic Church and her founder, Jesus Christ.

## **FUNDAMENTAL THEOLOGY**

Grade 10

0.5 Credit

This course seeks deeper knowledge and understanding of all the major themes found in the creeds of the Church. It begins with the pursuit of objective truth and proof for God's existence. It continues by looking at our capacity for God, how God reveals Himself to us, and how we are to respond to God's revelation. Throughout the course, central themes will include our universal call to holiness and our role as Christians within the Kingdom of God. As the course focuses on the fundamental beliefs and teachings of the Church, emphasis will be placed on knowing the Faith in order to both live it out and defend it.

## **SACRAMENTAL THEOLOGY**

Grade 10

0.5 Credit

This course will consider the sacramental life of the Church as the means by which Christians seek their ultimate goal: union with God. Beginning with a general consideration of the sacraments as signs which impart grace given to us by Christ, the course will progress to an in-depth investigation of each of the seven sacraments. Special emphasis will be placed on the matter and form of each sacrament, as well as on the grace received and the effects of each sacrament.

## **MORAL THEOLOGY I**

Grade 11

0.5 Credit

This course will begin with an examination of truth and how we can know objective truth through the tools of philosophy, science, and revelation. Next, it will explore the topic of natural law, which God has built into our human nature. Topics for this part of the course include what it means to be a human being, especially in the areas of human action, human needs, human emotions, and human society. Next, the course will explore salvation history and divine law. The truths that will be highlighted include that we were created to live in relationship with God and others, that sin destroys those relationships and damages our human nature, and that Jesus Christ is the only way those relationships can be restored. Topics for this part of the course include Original Innocence, Original Justice, Original Sin, Sin, covenant, law, sacrifice, the person of Jesus Christ, the saving act of Jesus Christ, Divine Grace, and theological virtues. The unifying theme of this course is the human quest for happiness and the necessity of union with Christ in order to achieve this ultimate goal.

## **MORAL THEOLOGY II**

Grade 11

0.5 Credit

This course will begin by focusing on the confusing situation of morality today which, for Christians striving to follow their baptismal vocation to holiness, can only be alleviated by adherence to the principle norm of morality: Jesus Christ. The rest of the course is organized according to the Ten Commandments. Each unit will explore one of the Ten Commandments as well as specific moral issues that touch on that commandment. The general principles of natural law and divine law learned in Christian Morality I will be applied to making the correct moral decisions regarding each issue. Special emphasis will be placed on the Theology of the Body to help with the dignity each person has as an Image of God. The focus of this course is to show practical ways that we can live our lives in cooperation with grace to grow in our life of love, in relationship to Jesus Christ and to each other. Unifying themes of this course are happiness, holiness, and virtue.

## **APOLOGETICS**

Grade 11, 12

0.5 Credit

Apologetics—“reasoned arguments or writings in justification of something.” More specifically, in regards to this class, apologetics will be defined as being able to explain and defend the Catholic faith in a rational and reasonable way with clarity and charity. We’ll begin by looking at effective methods of evangelization in apologetics from some of the best Catholic apologists in today’s day and age including Peter Kreeft, Scott Hahn, Jimmy Akin, Trent Horn, and Patrick Madrid. Then we’ll dive into the issues often misunderstood by non-Catholics (as well as Catholics alike) such as: the Church and the Papacy, Scripture and Tradition, Mary and the Saints, and the Sacraments.

## **SPIRITUAL THEOLOGY/ SERVANT LEADERSHIP**

Grade 12

1.0 Credit

The belief that underlies this course is the universal call to be holy, humble, prayerful Disciples of Christ. Emphasis will be placed on using different methods of prayer to grow in self-knowledge and in a deeper relationship with God. From our relationship with God comes a desire to serve His Church. The focus of the Servant Leadership portion of the course is to understand the importance of ministry in the Church. Students will also learn and explore the different vocations to help them see their calling from God.

**CHRISTIAN STEWARDSHIP  
INDEPENDENT STUDY**

Grade 12

0.5 Credit

The focus of this elective course is to continue developing the understanding of the importance of ministry in the church. The student may be placed with a willing/available teacher to volunteer as an aide in order to be given the opportunity to put his/her faith into action. It is important for students to realize their God-given gifts and talents and their responsibility for sharing those gifts and talents with their communities.

**WORLD LANGUAGES DEPARTMENT**

**SPANISH I**

Grades 8, 9, 10, 11, 12

1.0 Credit

Prerequisite: None

This is an introduction class to Spanish and cultures of the Spanish-speaking world. Strong emphasis is placed on class participation in the forms of reading, writing, listening, and speaking. This is a great continuation of the Spanish studied at a younger level but no prior knowledge or exposure to Spanish is needed.

**SPANISH II**

Grades 9, 10, 11, 12

1.0 Credit

Prerequisite: Grade of “C” or better in Spanish I and approval of the instructor.

This is a continuation of Spanish I. Students will be expected to continue speaking, listening, writing, and reading in Spanish. Emphasis is still on participation. Students will continue to use all the grammar and vocabulary from Spanish I while learning many new grammar skills and greatly increasing their vocabulary.

**SPANISH III HONORS**

Grades 10, 11, 12

1.0 Credit

Prerequisite: Grade of “B” or better in Spanish II and approval of the instructor.

Requirement: Students will be expected to maintain a “C” or better in this course.

This class is a deeper journey into language and culture. Speaking, writing, listening and reading are strong elements in this class as well as an emphasis on correct Spanish grammar. This Honors class is a challenging continuation of the curriculum with activities to deepen grammatical and cultural knowledge; students are expected to be self-motivated and hardworking.

**SPANISH IV HONORS**

Grades 11, 12

1.0 Credit

Prerequisite: Grade of “B” or better in Spanish III Honors and approval of instructor

Requirement: To maintain a “C” or better in this course. Instructor reserves the right to dismiss students not meeting these requirements.

This is a cumulative course of the previous classes. Heavy emphasis is on speaking, writing, reading and listening. Students are prepared for college level courses or Spanish V. Because this is an honors course, honors work and attitude are expected. Students should be self-motivated and hard working.

## SPANISH V HONORS

Grade 12

1.0 Credit

Prerequisite: Grade of “B” or higher in Spanish IV Honors and approval of instructor.

Requirement: Maintain a “C” or better in this course. Instructor reserves the right to dismiss students not meeting these requirements.

This is the culmination of the Spanish program. You will be preparing for college level Spanish classes or entrance exams as well as college placement exams. You will use your verbal and writing, listening and reading skills every day in class or in homework. Much will be expected of students; they should be self-motivated and hard working.

## ART DEPARTMENT

**\*All art classes will use a sketchbook for notes, images, brainstorming and reflective purposes. Students are required to complete a minimum of 4 projects, a final project, and a portfolio including work, artist statements and documentation of completed projects.**

### Daily Points:

Ready, Listening, On-time & Working=3pts. Reminding needed or late=2 pts. Little work/not ready=1 pt.

No work, disrespectful &/or Unexcused Absence=0 pt.

### Projects are graded using the following criteria:

Creativity=5 pts. Composition=5 pts. Craftsmanship=5 pts. Sketches/Reflection=5 pts. Stretch/Process=5 pts.  
(Originality) (Design) (Techniques) (Brainstorming & Write Up) (Problem Solving)

Final Project=50 pts., with Portfolio=10 pts.

(Artist statements & documentation)

Checklist=5 pts.

(Materials, Timeline & Assessment form)

Sketchbook=10 pts.

(Visuals, notes & sketches)

## ART 1

Grades 9, 10, 11, 12

0.5 Credit

Prerequisite for all Art courses unless waived by the Art Instructor *prior* to class registration.

This course incorporates varied experiences in two-dimensional media (drawing, painting, and printmaking) and three-dimensional media (ceramics, sculpture) for the beginning student. Concepts of art will be stressed as well as styles in art, history, aesthetics and evaluation in the visual arts. Sketchbooks and skill building assignments will fabricate the foundation for more advanced methods and idea exploration.

**ART 2** Grades 9, 10, 11, 12 0.5 Credit

Prerequisite: Art 1

This course expands on basic 2D and 3D skills from Art 1. Projects and activities will challenge and build your working knowledge of various materials and techniques. Focus is on building on skills using elements of design and principles to discover one's inner creative inclination. This course is recommended for those who don't know what they are personally interested in yet or want to dabble in studio techniques.

**DRAWING and DESIGN** Grades 9, 10, 11, 12 0.5 Credit

Prerequisite: Art 1

This course offers students a continuation of the study of elements and principles of design through a variety of drawing materials, papers, and technical approaches. Focus is on developing realistic imagery, efficient layouts, expanding your imagination, and training your mind's eye to really *see* the finer details.

**PAINTING** Grades 9, 10, 11, 12 0.5 Credit

Prerequisite: Art 1

This course introduces the student to creative expression through pastel, watercolor, acrylic, and oil painting. Students will study what artists have done in the past and the work of contemporary painters to aid them in developing their own style. This class revolves around color theory work, construction methods, and patience.

**MULTI- MEDIA** Grades 10, 11, 12 0.5 Credit

Prerequisite: Art 1, Drawing and Design, unless waived by the Art Instructor

This course will focus on digital photography, software, contemporary art and short film editing. (Adobe Photoshop and Premier Pro will be used). Concepts will include how to improve your photographs, editing techniques, special effects, storyboards, digital camera and video camera use. Throughout the semester contemporary styles of art, history, aesthetics will be discussed and viewed to explore one's multimedia style.

**SCULPTURE & CERAMICS** Grades 9, 10, 11, 12 0.5 Credit

Prerequisite: Art 1

Students will be introduced to materials, techniques, and methods of constructing ceramic and sculpture (both hand-built and wheel-thrown). They will also have an opportunity to experience other sculptural materials such as plaster, wood, paper, metal, mixed media, and recycled materials. Projects highlight the importance of form, context, and attention to presentation as a conversational instrument.

**ART-INDEPENDENT STUDY** Grades 11, 12 0.5 Credit

Prerequisite: Art 1, Painting, Drawing and Design, Sculpture and Ceramics

This is an advanced art course offered to students with a strong desire to develop their artistic knowledge and independence within their area of interest. This course offers the opportunity for students to further explore

three-dimensional and/or two-dimensional techniques and media types. Students dive into studio techniques, build a foundation for self-governed processing through brainstorming and construction into completed projects.

## **HONORS ART**

Grades 11, 12

0.5 Credit

\*Honors credit is achieved in the below Honors courses by completing the 3-5 page research paper and the artwork “series” (minimum of 3 separate works of art focusing on one theme), in addition to the regular course load of 3 projects and a final with a portfolio.

Prerequisite: Art 1, Art 2, Painting, Drawing and Design, Sculpture and Ceramics,  
MultiMedia, Independent Study... Instructor Permission and Signed Contract

This is an advanced art course offered to students with a strong desire to improve their artistic knowledge and ability; to further develop their own style and build self identity in their work. Students learn to make a meticulous plan for their semester projects, set a timeline for regular grading while increasing research, concept interpretation, and visual quality. Students will learn more in depth studio responsibilities and assist in daily art routines and material prep work without complaint

## **MUSIC DEPARTMENT**

### **CONCERT CHOIR**

Grades 9, 10, 11, 12

1.0 Credit

Concert Choir is an engaging, interactive, performance based class that focuses on holistically developing musicians through quality vocal repertoire. Concert Choir members will work collaboratively in a large group setting while also discovering their unique voice through weekly private lessons. In addition to developing dedication, poise, and creativity in a team environment, singers will learn sight reading, music theory, proper vocal techniques, basic vocal health, music history, elements of music, and genres of music.

Requirements outside of class may also include concerts, contests, clinics, festivals, and guest performances.

**Solo/Ensemble is a required event for all choir students.**

### **HONORS CHOIR**

Grades 10, 11, 12

1.0 Credit

Prerequisite: Completion of short interview followed by instructor approval. Final admittance to Honors Choir is dependent on previous grade averages and vocal readiness.

In addition to the Concert Choir experience, Honors Choir students will play a leadership role in the choir and work more intensively on developing their solo voice. These students will:

- Perform one Class A solo OR another solo appropriate for their voice type and range.
- Perform one solo per quarter. See director for options.
- Complete 2 hours of service each quarter for the CCS music department. Consult instructor for approval prior to each service event.
- Complete additional assignments focusing on Servant Leadership and perform various duties to assist with building a stronger community of learners in the choir at the discretion of the instructor.

### **CONCERT BAND**

Grades 9, 10, 11, 12

1.0 Credit

The main focus of Concert Band is the study and performance of various styles of music in the wind ensemble repertoire. This is accomplished by a historical study of each composition and its composer, a study of basic and

advanced music theory, and proper playing technique on the student's chosen instrument. The student receives instruction in both full band rehearsals and in individual and/or group lessons. Out-of-school activities include concerts, contests, parades, half-time shows and pep band performances. This class has a \$75 course fee.

## **HONORS BAND**

Grades 11, 12

1.0 Credit

In addition to the normal course load, the Honors student performs class A solo or small ensemble in Solo/Ensemble contest and must choose and complete one of the following:

- Perform a Class A solo or two small class A ensembles during the current year's Solo/Ensemble Festival. Failure to perform a solo or small ensemble will result in a grade no higher than a "C" for the entire second semester.
- Honor students are also required to perform twelve hours of service to the band program. This service is created after meeting with the band director.

## **JAZZ BAND**

Grades 9, 10, 11, 12

1.0 Credit

Prerequisite: Approval of instructor and must be a current member of concert band.

Jazz Band takes the student's acquired knowledge from concert band and applies it to the study and performance of jazz music. Correct performance of jazz styles is gained through listening and identification. An in-depth study of jazz theory, modal theory, and jazz as it applies to American culture and history is part of the course. Out-of-school events include concerts, contests, and jazz fests.

## **JAZZ BAND - HONORS**

Grades 9, 10, 11, 12

1.0 Credit

Prerequisite: Jazz Band and approval of the present instructor.

In addition to the normal course load, there are two other requirements in which the student will demonstrate his/her knowledge and study of Jazz Theory and Jazz History. These requirements are to be done each semester.

Study the melody and chord structure of three jazz compositions. These compositions must be selected from three contrasting jazz styles. The student will also improvise as part of the memorization process.

Aural identification of jazz compositions as selected by the course instructor. These compositions all represent a minimum of four jazz styles and twelve jazz performers. Identification includes name of performer, instrument played, style of jazz, and approximate year of recording.

## **MUSIC THEORY HONORS**

Grades 11, 12

1.0 Credit

The main focus of Music Theory Honors will be music composition. The compositions will be individualized per student based on the student's prior knowledge and familiarity with the fundamentals of music theory.



**JAZZ IMPROVISATION  
HONORS**

Grades 9, 10, 11, 12

0.5 Credit

Prerequisite: Approval of Instructor and must be a current member of Concert Band and Jazz Band

This course is designed to develop the improvisational techniques of the student as a soloist and in a combo setting. Heavy emphasis placed on jazz theory, including modal, bebop and the blues. Chord structure and progressions, memorization of jazz tunes, and jazz history will also be studied. Focus will be on the lives and styles of jazz artists, including aural identification of these artists' recordings. Out-of-school activities include concerts, contests, and jazz festivals.

**CAREER AND TECHNICAL EDUCATION DEPARTMENT**

**BUSINESS & INFORMATION TECHNOLOGY**

(Includes dual credit Mid-State Tech School of Business and Technology classes.)

**COMPUTER APPLICATIONS**

Grades 9, 10, 11, 12

0.5 Credit

Students will explore word processing, spreadsheets, and presentation software. Students will also practice keyboarding and improve skills relevant to high school and beyond. Emphasis will be placed on creating well-organized and creative documents.

**SPORTS & ENTERTAINMENT  
MARKETING**

Grades 10, 11, 12

0.5 Credit

Students are introduced to industry skills from market planning to promotions and selling with popular sports and entertainment industry examples as the foundation for learning marketing concepts. Crucial topics like the channels of distribution, global issues, customer service and economic principles make direct connections to real-life businesses, famous athletes, and celebrities. Students work in teams to build out an expansive marketing portfolio as they apply marketing functions to real-world scenarios and strategies from awards show nominations, to analyzing super bowl ads, to planning successful product endorsements.

**ENTREPRENEURSHIP**

Grades 10, 11, 12

0.5 Credit

This course builds students' skills in the knowledge of types of business ownership, legal issues, business finance/start-up costs, business trends, site selection, marketing, pricing strategies and the development of a business plan on the students' product/service of choice.

**INTRO TO BUSINESS (DUAL  
CREDIT-MID STATE)**

Grades 10, 11, 12

0.5 Credit  
3.0 Credit (Mid State)

An introduction to what a business is, how it operates, and how it is managed. Students identify forms of ownership and the processes used in production, marketing, finance, and management in business operations. Students will engage with a comprehensive business plan project that will be ongoing throughout the semester. *Offered every year.*

**INTRO TO BUSINESS**

Grades 10, 11, 12

0.5 Credit

An introduction to what a business is, how it operates, and how it is managed. Students identify forms of ownership and the processes used in production, marketing, finance, and management in business operations. *Offered every year.*

**BUSINESS COMMUNICATIONS  
(DUAL CREDIT-MID STATE)**

Grades 10, 11, 12

0.5 Credit  
2.0 Credit (Mid-State)

Addresses sensitivity in communication with customers and co-workers. Includes international communications, teamwork, working relationships and telephone skills. This course is ideal for those pursuing a business or administration role. As an Honors's class, students will participate in additional reading assignments and projects. *Offered in odd school years starting 2023-2024 school year.*

**BUSINESS COMMUNICATIONS**

Grades 10, 11, 12

0.5 Credit

Addresses sensitivity in communication with customers and co-workers. Includes international communications, teamwork, working relationships and telephone skills. This course is ideal for those pursuing a business or administration role.

**ACCOUNTING I  
(DUAL CREDIT-MID STATE)**

Grades 11, 12

0.5 Credit  
4.0 Credit (Mid State)

A beginning course for accounting majors or students who need a strong foundation in accounting principles. Explores the accounting cycle, journaling, posting, adjusting, closing, and reporting. Introduces service and merchandising businesses and accounting for inventory. Explores issues for accounting for cash, accounts payable and receivable, and fixed assets. Students will also explore the importance of ethics in accounting and career opportunities that exist in the field. *Year long class offered every year.*

**FINANCE AND BUDGETING  
(DUAL CREDIT-MID STATE)**

Grades 11, 12

0.5 Credit\*  
3.0 Credit (Mid State)

For the nonfinancial manager, this course introduces the language of accounting, finance, and budgeting. Provides an overview of the use and analysis of financial statements. Business planning and the foundations and development of budgets are explored. Business financing basics and the securing of necessary financing for a business are covered. Practical application of financial statement creation and analysis, budgetary activities, and finance calculations are included. *Offered in odd school years starting 2023-2024 school year.*

**HARDWARE ESSENTIALS  
(DUAL CREDIT-MID STATE)**

Grades 11, 12

0.5 Credit\*  
3.0 Credit (Mid State)

The first in a two-course series that aligns with the CompTIA A+ certification. This class is designed to teach students how to build, configure, secure, network, and troubleshoot PCs/ The course covers the objectives of the Comp TIA A+ exams but is not designed or intended to be a "test prep" course. *Offered in odd school years starting 2023-2024 school year.*

**NETWORKING (DUAL  
CREDIT-MID STATE)**

Grades 11, 12

0.5 Credit\*  
3.0 Credit (Mid State)

Introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. The principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. By the end of the course, participants will be able to build simple LANs, perform basic configurations for routers and switches, and implement IP addressing schemes. This course is the first of four courses that align with CCNA certification. Covers the objectives of the first CCNA exam. *Offered in odd school years starting 2023-2024 school year.*

**INTRO TO PROGRAMMING  
(DUAL CREDIT-MID STATE)**

Grades 11, 12

0.5 Credit\*  
3.0 Credit (Mid State)

Applies the basic concepts of computer programming having learners build JavaScript applications, with an emphasis on problem solving, structured programming, debugging, and testing. Additional topics include: online software development resources, programming and documentation standards, variable lifetime/scope, data types, control structures (conditions and iterations) and mathematical calculations. *Offered in even school years starting 2022-2023 school year.*

**WEB DESIGN (DUAL  
CREDIT-MID STATE)**

Grades 11, 12

0.5 Credit\*  
3.0 Credit (Mid State)

Introduces HTML and Cascading Style Sheets (CSS) coding techniques. Learners will create/modify web pages using HTML tags and style the web pages with CSS and JavaScript. For the final course project, learners will create a personal website portfolio. Additional topics include copyright considerations, text editors, image optimization, FTP utilities, and browser tools. *Offered in even school years starting 2022-2023 school year.*

## **CAREER EDUCATION**

**ODYSSEYWARE**

Grades 9-12

0.5 Credit

Web based learning environment that offers many opportunities in Career and Technical Education courses. Students will have lessons, quizzes, and projects to complete. To see the course offerings: <https://www.odysseyware.com/course-catalog/wisconsin>.

**HEALTH CAREER  
CONNECTIONS**

Grades 11, 12

3.0 Credits

Health Career Connections offers internships designed to familiarize students with the various careers in the medical profession. Students will learn skills necessary for their health care career pathway, in addition to working with others, legal and ethical responsibilities, and cultural considerations in the healthcare industry. Nursing Assistant certification will be required between junior and senior year. **NOTE: To apply for Health Career Connections you must complete a program application and interview with employers during your junior year**

**YOUTH APPRENTICESHIP  
/SCHOOL TO WORK**

Grade 12

0.5 Credit

Prerequisite: Approval of instructor

The Youth Apprenticeship program is a part of a statewide School-to-Work initiative. It is designed for high school students who want hands-on learning in an occupational area at a worksite along with classroom instruction. **NOTE: To apply for Youth Apprenticeship you must complete a program application and interview with employers during your junior year.**

**FAMILY AND CONSUMER EDUCATION**

(Includes dual credit Mid-State Tech School of Protective and Human Services classes.)

**FOOD EXPLORATION**

Grades 9, 10, 11

0.5 Credit

This course is for the student who wants to gain basic food preparation knowledge and skills. Included in the course of study are food habits, nutrition, safety, sanitation and food careers. Food prepared will include pastry, quick breads, yeast breads, pasta, fruits, vegetables, and soups.

**CULINARY ARTS**

Grades 10, 11, 12

0.5 Credit

Prerequisite: Food Exploration

Develop your culinary and management skills in a professional, commercial laboratory setting. Apply the principles of food preparation in a hands-on setting. Learn the importance of teamwork, work ethic, safety and sanitation. Explore the important role of cuisine in understanding cultures around the world. Understand how a population's food habits are influenced by its environment. Experience the cuisines, cookery principles and standards from around the world.

**MEDICAL TERMINOLOGY  
/HEALTHCARE CAREERS**

Grades 10, 11, 12

0.5 Credit

Gain knowledge on the component parts of medical terms: prefixes, suffixes, and word roots. Spellings, definitions, and pronunciations will be discussed. Students will also explore the world of careers in the healthcare field. Guest speakers will come in to talk to the students about their careers.

**ECE CHILD DEVELOPMENT  
(DUAL CREDIT-MID STATE)**

Grades 11, 12

0.5 Credit\*  
3.0 Credit (Mid State)

The 3-credit course examines child development within the context of the early childhood education setting. Course competencies include: integrate strategies that support diversity, cultural responsiveness, and anti-bias perspectives; analyze social, cultural, and economic influences on child development; summarize child development theories; analyze development of children ages three through five; analyze development of children ages five through eight; relate child development research findings to teaching practice; analyze the role of heredity and the environment; examine the role of brain development in early learning (ages 3-8); examine developmental and environmental assessment strategies for children ages 3-8. *Offered in even school years starting 2024-2025 school year.*

**ECE INFANT AND TODDLER  
(DUAL CREDIT-MID STATE)**

Grades 11, 12

0.5 Credit  
3.0 Credit (Mid State)

In this 3-credit course you will study infant and toddler development as it applies to an early childhood education setting. Course competencies include: integrate strategies that support diversity, cultural responsiveness, and anti-bias perspectives; analyze development of infants and toddlers (conception to thirty-six months); correlate prenatal and postnatal conditions with development; summarize child development theories; analyze the role of heredity and the environment; examine culturally and developmentally appropriate environments for infants and toddlers, examine the role of brain development in early learning (conception through thirty-six months); examine caregiving routines as curriculum; and examine developmental and environmental assessment strategies for infants and toddlers. *Offered in odd school years starting 2023-2024 school year.*

**ECE FOUNDATIONS OF EARLY  
CHILDHOOD EDUCATION  
(DUAL CREDIT-MID STATE)**

Grades 11, 12

0.5 Credit\*  
3.0 Credit (Mid State)

This 3-credit course introduces you to the early childhood profession. Course competencies include: explore the concepts of diversity, cultural responsiveness, and anti-bias as it relates to early childhood education, investigate the history of early childhood education, examine regulatory requirements for early childhood education programs in WI, summarize types of early childhood education settings, identify the components of a quality early childhood education program, summarize responsibilities of early childhood education professionals, explore early childhood curriculum models and examine the critical role of play as it relates to developmentally appropriate practice. *Offered in even school years starting 2024-2025 school year.*

**ECE HEALTH SAFETY &  
NUTRITION (DUAL  
CREDIT-MID STATE)**

Grades 11, 12

0.5 Credit\*  
3.0 Credit (Mid State)

This 3-credit course examines the topics of health, safety, and nutrition within the context of the early childhood educational setting. Course competencies include: integrate strategies that support diversity, cultural responsiveness, and anti-bias perspectives; examine governmental regulations and professional standards as they apply to health, safety, and nutrition; plan a safe early childhood environment; plan a healthy early childhood environment; plan nutritionally sound menus; examine child abuse and neglect issues and mandates; describe Sudden Infant Death Syndrome (SIDS) risk reduction strategies, describe strategies to prevent the occurrence of Shaken Baby Syndrome (SBS); incorporate health, safety, and nutrition concepts into the children's curriculum. *Offered in even school years starting 2024-2025.*

**ESSENTIAL CONCEPTS FOR  
HEALTH & WELLNESS (DUAL  
CREDIT-MID STATE)**

Grades 11, 12

0.5 Credit\*  
3.0 Credit (Mid State)

This class introduces the student to basic health and wellness promotion principles at the individual level including the six dimensions of wellness, determinants of health and behavior change theory. Students explore a holistic view of health and wellness concepts covering healthy lifestyle choices, managing stress, individual wellness perspective and how economics can positively and negatively impact the health and wellness of an individual. *Offered in even school years starting 2024-2025 school year.*

**NUTRITION FOR HEALTHY LIVING (DUAL CREDIT-MID STATE)**

Grades 11, 12

0.5 Credit\*  
3.0 Credit (Mid State)

Students learn concepts of healthy eating to facilitate the journey of good health across the lifespan. Healthy eating concepts focus on individual decision making and behavior change with sustainable interventions rooted in evidence-based practice. Students investigate nutrition myth versus fact and explore how policy and environment impact nutritional choice. *Offered in odd school years starting 2023-2024 school year.*

**HEALTHY AGING (DUAL CREDIT-MID STATE)**

Grades 11, 12

0.5 Credit\*  
3.0 Credit (Mid State)

Provides an overview of practices to promote healthy aging. Addresses nutrition, physical activity, and prevention practices as well as medications commonly prescribed for the older adult. Emphasis is on practices to address current aging trends. *Offered in odd school years starting 2023-2024 school year.*

**MENTAL WELLNESS & STRESS MANAGEMENT (DUAL CREDIT-MID STATE)**

Grades 11, 12

0.5 Credit\*  
3.0 Credit (Mid State)

Students learn concepts of healthy eating to facilitate the journey of good health across the lifespan. Healthy eating concepts focus on individual decision making and behavior change with sustainable interventions rooted in evidence-based practice. Students investigate nutrition myth versus fact and explore how policy and environment impact nutritional choice. *Offered in odd school years starting 2023-2024 school year.*

**TECHNOLOGY EDUCATION**

(Includes dual credit Mid-State Tech School of Advanced Manufacturing and Engineering classes.)

**CAD I**

Grades 9, 10, 11, 12

0.5 Credit

The purpose of this class is to provide students with a basic understanding of technical form drawing in contrast to artistic drawing. Students will become familiar with the characteristics of drawing and relationship to design. The class is centered around learning to use and using AutoCad drafting software. Students will learn on 3D Cad, 2D CAD and for Plasma Table and Laser Engraver. Students will take a project from concept to manufacture to completed product. *Offered fall semester.*

**CAD II**

Grades 10, 11, 12

0.5 Credit

Prerequisite: CAD I and approval of instructor

This class is an extension of CAD I, which will be a project based class.

**SMALL ENGINE MECHANICS I**

Grades 9, 10, 11, 12

0.5 Credit

Are you interested in engines and how they work? This course is designed to introduce you to small engine parts identification and function. We will develop an understanding of the 4 Stroke Cycle as well as troubleshooting basic problems with a gas engine. You will disassemble, evaluate and reassemble complete engines during the semester. Basic engine theory will be completed through Briggs and Stratton Power Portal. Small Engines 2 will have a focus on independent work and diagnostics. *Offered fall semester.*

**SMALL ENGINE MECHANICS II** Grades 10, 11, 12 0.5 Credit

Prerequisite: Small Engine Mechanics I

This class is an extension of Small Engine Mechanics I. *Offered spring semester.*

**INTRODUCTION TO AUTOMOTIVE** Grades 10, 11, 12 0.5 Credit

Students will gain an understanding of the mechanical operation of the modern automobile. We research the needs and wants of the driver, the values of new and used cars and the maintenance requirements of various cars. Discussions are held on the financial aspects of car ownership and driver responsibility. In the process, we will learn to use hand tools and power tools in the process of maintaining and repairing cars. Some of the areas covered are general maintenance, cleaning and detailing. *Offered spring semester.*

**METALS FUNDAMENTALS I** Grades 9, 10, 11, 12 0.5 Credit

The fundamentals of working with metal will include cutting, welding, machining, bending and shaping. The tools and equipment that will be used include basic hand tools, oxy-acetylene torch, plasma cutter, FCAW, GMAW, GTAW, SMAW, lathe, milling machine grinder, and plasma table. *Offered fall semester.*

**METALS FUNDAMENTALS II** Grades 10, 11, 12 0.5 Credit

Prerequisite: Metal Fundamentals I and approval of instructor

This class is an extension of Metals Fundamentals I. Students will learn advanced welding and metal fabrication skills. *Offered spring semester.*

**METALS FUNDAMENTALS III** Grades 11, 12 0.5 Credit

Prerequisite: Metal Fundamentals II

Metal Fundamentals III is an independent metals class that runs in conjunction with either Metals Fundamentals I or Metals Fundamentals II. Students will work on a major metal working project of choice or an assigned project by the instructor. *Offered every other year - spring semester.*

**WOODS I** Grades 9, 10, 11, 12 0.5 Credit

The emphasis of this class will be on the recognition and use of hand and power tools and the woods used in carpentry and woodworking. Each student will employ the skills they acquire to make wooden products that will vary in difficulty based on student ability. *Offered fall semester.*

**WOODS II** Grades 10, 11, 12 0.5 Credit

Prerequisite: Woods I

In addition to a more detailed presentation of hand tools and woods, students will be introduced to a variety of power tools useful in carpentry. They will create more complicated wood products. *Offered fall semester.*

**WOODS III** Grades 11, 12 0.5 Credit

Prerequisite: Woods II and approval of instructor

Woods III is an independent woodworking class that runs in conjunction with either Woods I or Woods II. Students will work on a major woodworking project of choice or an assigned project by the instructor. Successful completion of both Woods I and II is a must, and students will be selected by the instructor. Further knowledge of woodworking will be discussed, along with safety, operation, and machine maintenance. *Offered every other year - fall semester.*

**BUILDING AND CONSTRUCTION** Grades 11, 12 0.5 Credit

Prerequisite: Woods 1 and approval of the instructor

This course is designed for those students with a strong interest in construction and carpentry related careers. Students will learn about the many tools, techniques, and materials used in the construction industry. The course often centers around one large building project and students should be prepared for some physical labor. Students will also gain the knowledge and skills needed to interpret technical drawings and build residential components. This course will also include basic residential electricity and home repair. *Offered fall semester.*

**BUILDING AND CONSTRUCTION II** Grades 11, 12 0.5 Credit

Prerequisite: Building and Construction I and approval of the instructor

This class is an extension of Building and Construction I. Students who take Building and Construction II will work on their leadership and project planning skills. *Offered spring semester.*

**WELDING FUNDAMENTALS 1 (DUAL CREDIT-MID STATE)** Grades 11, 12 0.5 Credit\*  
1.0 Credit (Mid State)

An introduction to fundamental welding techniques with an emphasis on safe work habits that covers the processes of FCAW, GMAW, and OXY-Fuel cutting. Classroom instruction paired with lab activities are designed to provide fundamental skills in each of the welding processes covered in the class. *Offered every year.*

**WELDING FUNDAMENTALS 2 (DUAL CREDIT-MID STATE)** Grades 11, 12 0.5 Credit\*  
1.0 Credit (Mid State)

An introduction to fundamental welding techniques with an emphasis on safe work habits that covers the processes of GTAW, SMAW and Plasma cutting. Classroom instruction paired with lab activities are designed to provide fundamental skills in each of the welding processes covered in the class. *Offered every year.*



Prerequisite: Approval of the instructor

Students will decide to do an independent study of their choice of wood working or metal working. Students will plan and complete a project using skills acquired from previous woods or metals classes. Minimal assistance and instruction will be given in order to advance personal skills.

## **DUAL CREDIT CLASSES**



Columbus Catholic Schools is in partnership with MidState Technical College for Dual Credit offerings. Full class descriptions are listed in the corresponding department (pages 33-40). You will be receiving High School and Technical School credit. Classes are graded on a weighted scale the same way as honors classes.

### **SCHOOL OF BUSINESS AND TECHNOLOGY**

- Introduction to Business
- Accounting
- Finance and Budgeting
- Business Communications
- Hardware Essentials
- Networking
- Introduction to Programming
- Web Design

### **SCHOOL OF PROTECTIVE AND HUMAN SERVICES**

- ECE Child Development
- ECE Infant and Toddler
- ECE Foundations of Early Childhood Education
- ECE Health Safety & Nutrition
- Essential Concept for Health & Wellness
- Nutrition for Healthy Living
- Healthy Aging
- Mental Wellness & Stress Management

### **SCHOOL OF ADVANCED MANUFACTURING AND ENGINEERING**

- Welding Fundamentals 1
- Welding Fundamentals 2